

ScaleNet

Communication program

For

RSC-2



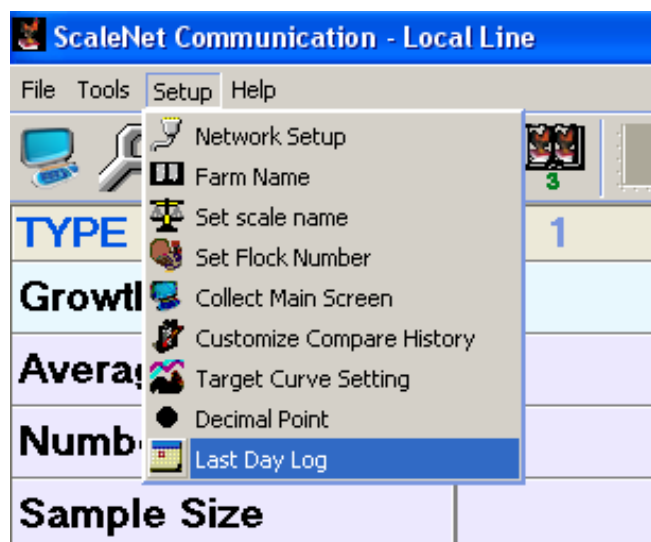
User Manual

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Setup

Use the mouse to open the setup menu.
Enter the Network Setup table.

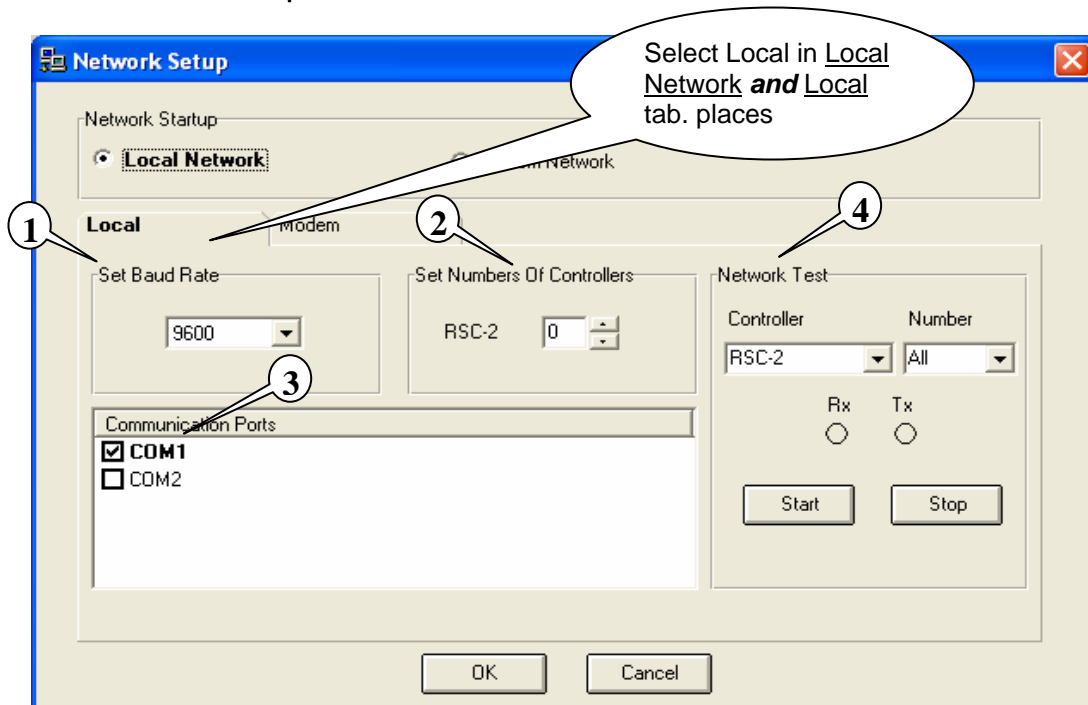


Network Setup

Select between local or modem network depending on your connection. Be sure to indicate your selection in both the small button, and in the tabs.

Local Network

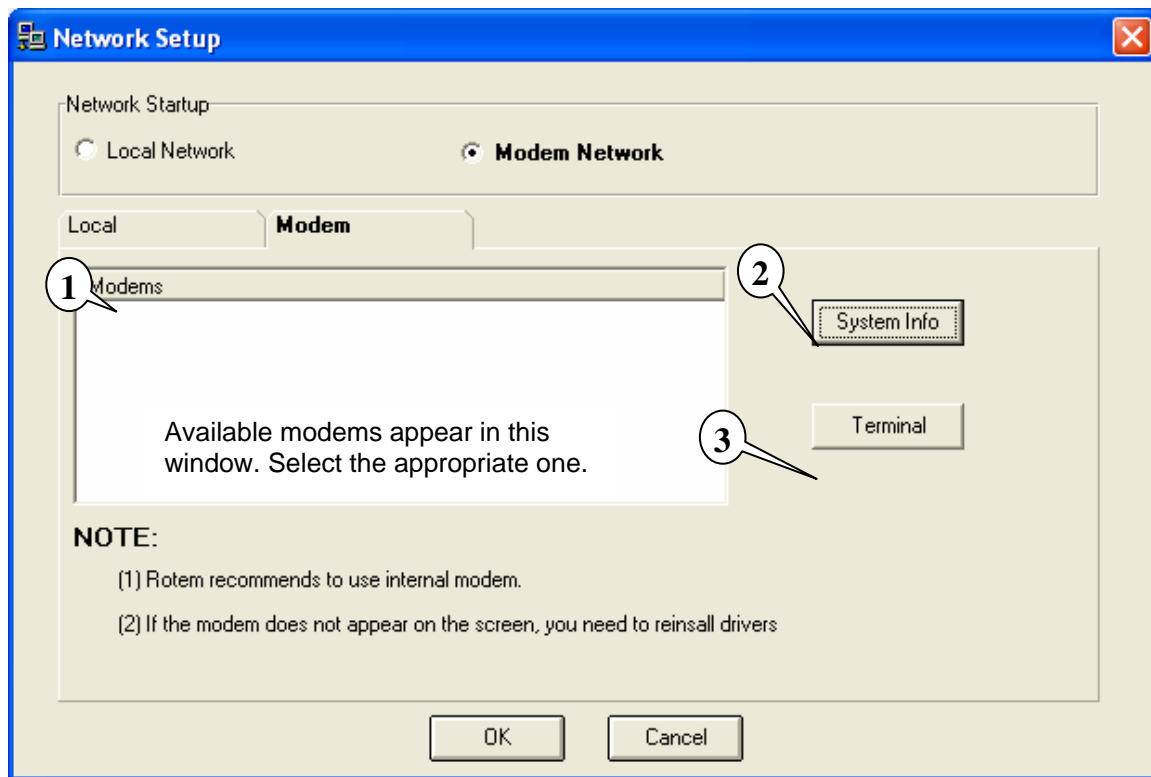
1. **Baud Rate:** Set the baud rate according to the settings on the controllers.
2. **Set Number Of Controllers:** this number refers to the number of platforms connected to the communication program. Count the number platforms rather than the number of controllers.



3. **Communication Ports:** select the correct port from the available communication ports.
4. **Network Test:** The RX TX lights on the right side indicate communication status. The RX is green and indicates an answer from a controller. The TX is red and indicates a query to the controllers. The test is an endless loop. It continues until you press the stop button.

Modem Setup

1. Modems: Select Modem Name.

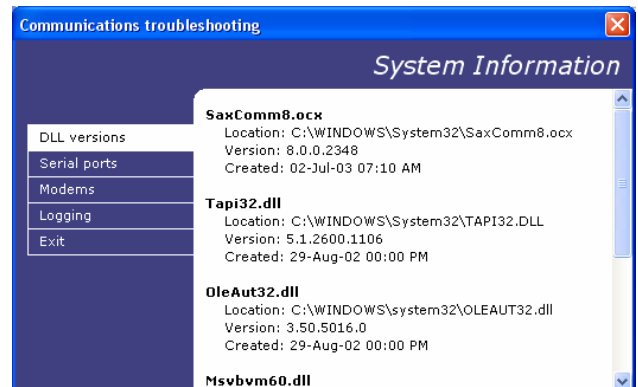


2. **System Info:** The system info button opens the computer's information and troubleshooting data, through which you can obtain information on the serial ports and modems that are defined and registered to the computer.

3. **Terminal:** Opens the ROTEM terminal.

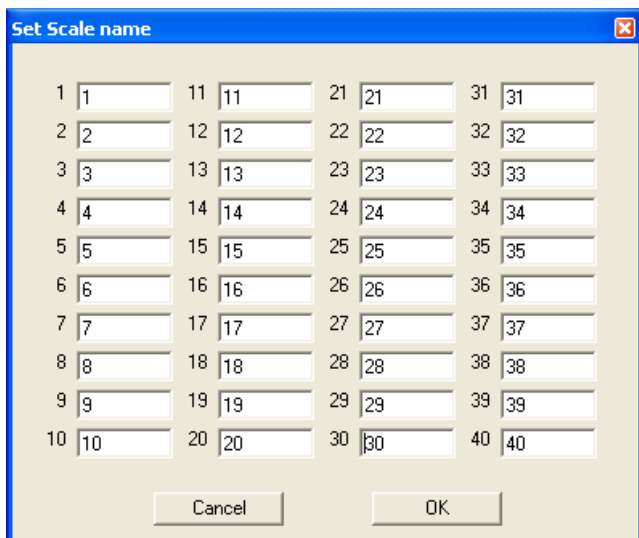
NOTE:

- ROTEM recommends working with an internal modem.
- Make sure that a suitable driver is installed for the modem, and that the modem is recognized by windows.



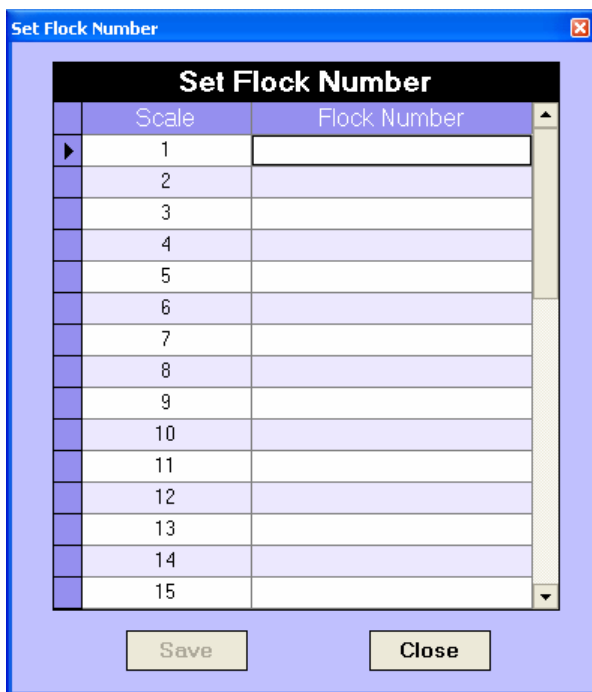
Set Scale Name

You can name each scale according to your preferences. Names can help you identify each scale easily.



The 'Set Scale name' dialog box contains a grid of 40 input fields arranged in 10 rows and 4 columns. Each field is preceded by a number from 1 to 40. The fields are currently empty, showing only the numbers 1 through 10 in the first column. At the bottom of the dialog are 'Cancel' and 'OK' buttons.

Set Flock Number



The 'Set Flock Number' dialog box features a table with two columns: 'Scale' and 'Flock Number'. The 'Scale' column lists numbers from 1 to 15. The 'Flock Number' column contains empty input fields. A vertical scrollbar is on the right side of the table. Below the table are 'Save' and 'Close' buttons.

Scale	Flock Number
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	

Assign flock number to each scale.

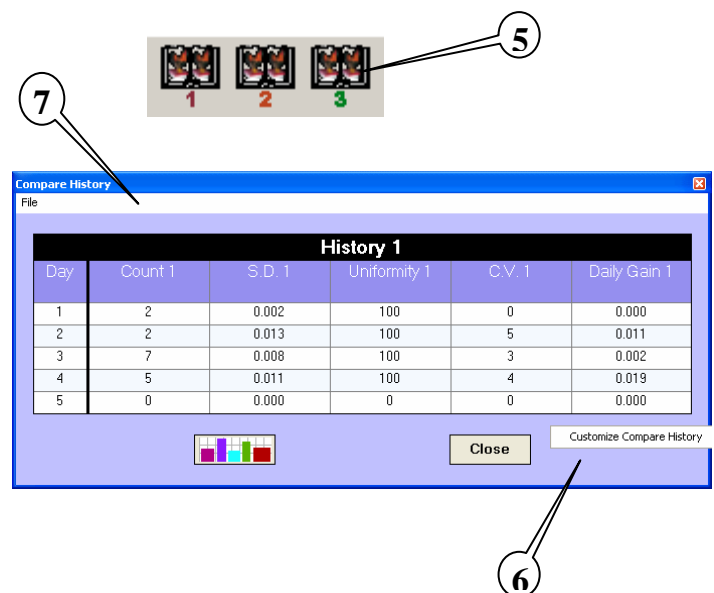
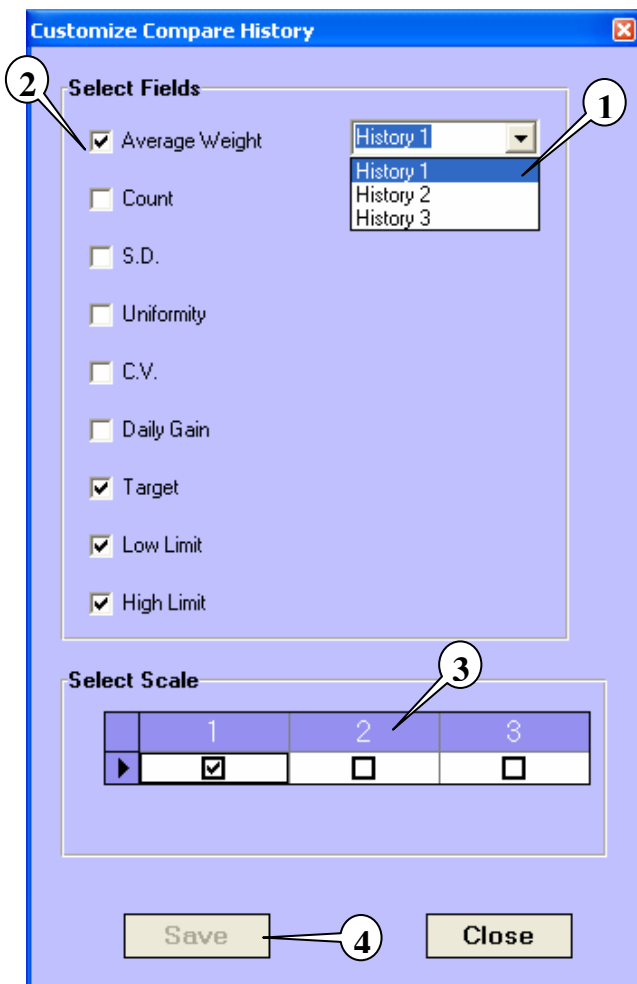
The number can also be a name and you can assign several scales to a flock according to the farm.

The history collection will be entered to the P.C. in files that are named the same as the flock number or name that you assigned.

Customize compare History

You can set 3 custom history compare options with different data fields and scales.

1. Select a history from the 3 options to customize.
2. Mark the desired fields for data collection.
3. Select scales. Scales selected will participate in this history data collection.
4. Use the Save button to save current History collect settings.
5. The quick launch icons collect and display the selected data for you to compare.
6. Pressing the compare history # will open this window showing the current data collection.
7. Right clicking on this window will open a shortcut key to the customize history window.

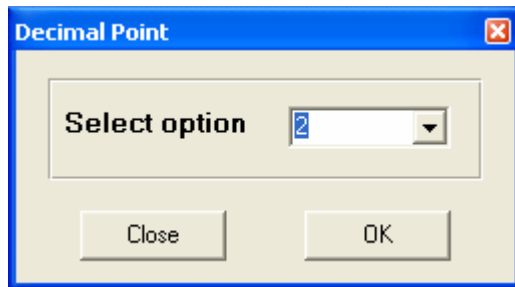


Note: when selecting history compares 1, 2, or 3, the controller is collecting data on all fields and shows only the requested parts. As long as there are any customize history and history compare windows open, the controller will use data from the last reading. To collect new data, close all windows and reopen them.

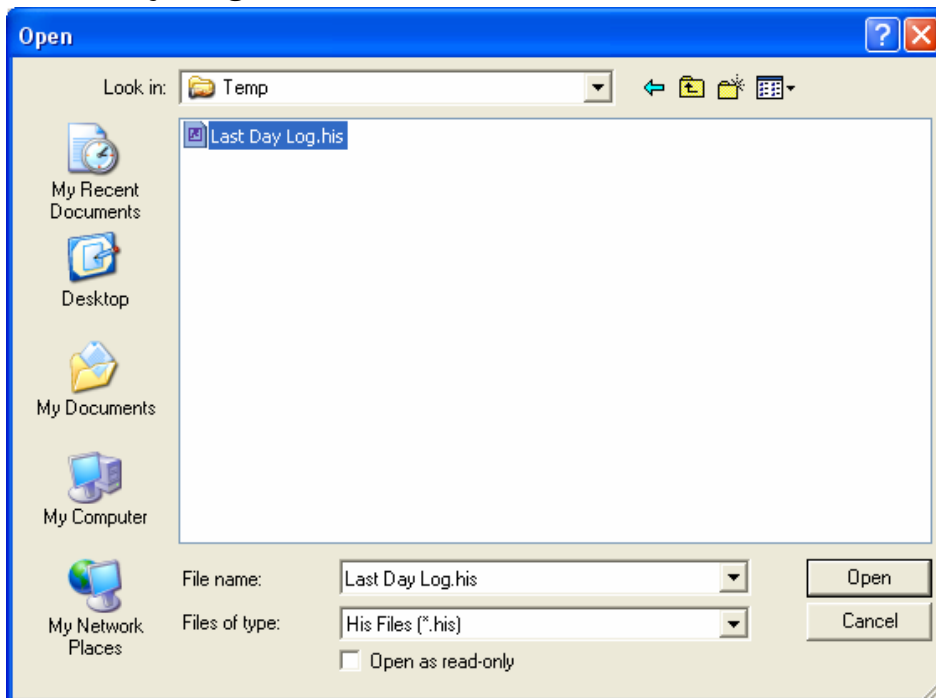
Decimal Point

Set the number of digits after the point for display.

For example: if set at 2, one kilogram will be displayed 1.00 Kg.



Last Day Log

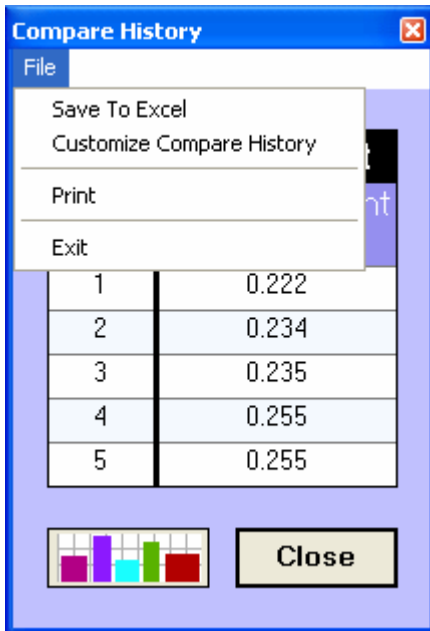


This feature allows you to open the Last Day Log through the ScaleNet.
100 last weights will not appear in this file but only in the Excel and text files
(See add new connection)



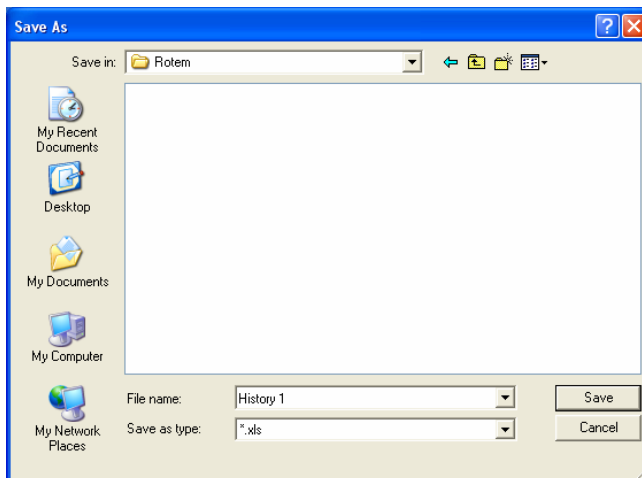
Compare average history

This quick launch icon displays a standard comparison of average weight between scales and has no customization options.



In the file option you will be able to enter the Customize Compare History table, print this table and save it as Excel file:

Simply choose the saving directory and write down the file.





Modem Information

This table contains the connection information for all the farms. Enter a farm number, name and phone number using the 'set up new connection' menu.

Modem Communication			
Nu	Farm Name	Phone Number	Auto Dial
1	Rotem	039206200	YES
2	Rotem Farm	039206201	NO
3			
4			
5			
6			
7			
8			
9			
10			



Dial/Hang up the connection.





The Auto key opens the Auto Dialing window. This feature is used for History Collection.


Dial At: Set the time for history collection.

Dial Now: Instantly connect and collect history.

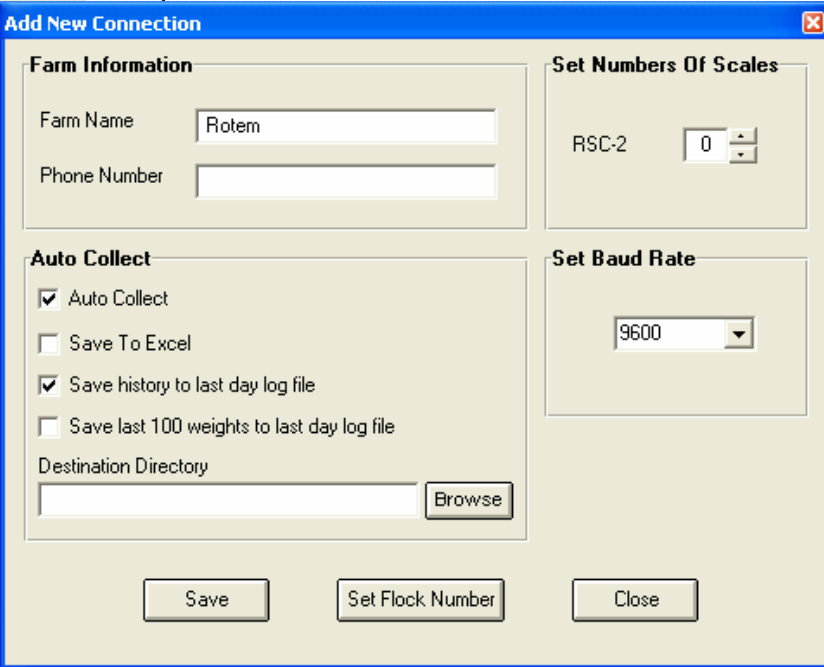
(The connection will be terminated at the end of the history collection.)

Auto Dialing	
	Current Time 12:01:36
	Dial At 12:00
	Count Left 23:58:24
<div> <div>Dial Now</div> <div>Exit</div> </div>	

If any of the farms did not communicate the ScaleNet will delay 2 minutes and will execute another round only for the farms that did not communicate.



Set up a new connection.



Add New Connection

Farm Information

Farm Name: Rotem

Phone Number:

Set Numbers Of Scales

RSC-2: 0

Auto Collect

☒ Auto Collect

☐ Save To Excel

☒ Save history to last day log file

☐ Save last 100 weights to last day log file

Destination Directory:

Set Baud Rate

9600

Set your farm name, phone number and the amount of controllers connected.

Auto Collect

Mark this square and the history will be saved automatically according to the auto dialing menu.

If you want to also save to excel mark the second square to.

Save History to Last Day Log File

The third option is to save history of the last day into file (ASCII and Excel).

If you mark the last square (100 weights) the last 100 weight table will be added to the last day log file.

In order to view the last day log file enter Setup/Last Day Log and browse for the location of file you wish to open.



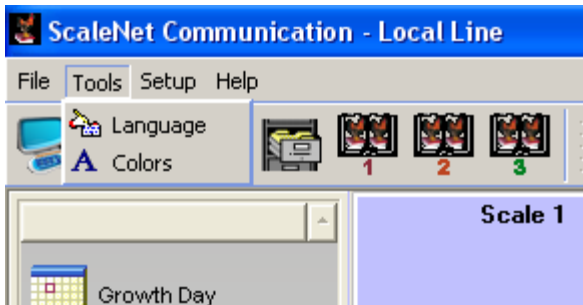
Delete the highlighted connection.



Update or change the highlighted existing connection.

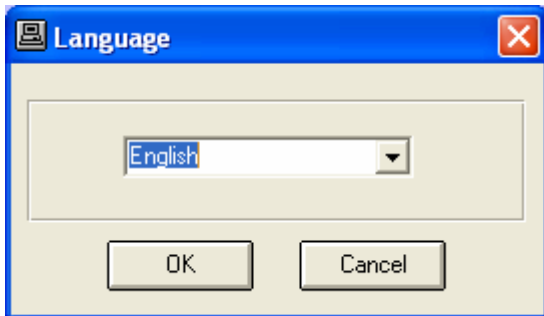
Tools

In the tools menu you can change the language and display colors.



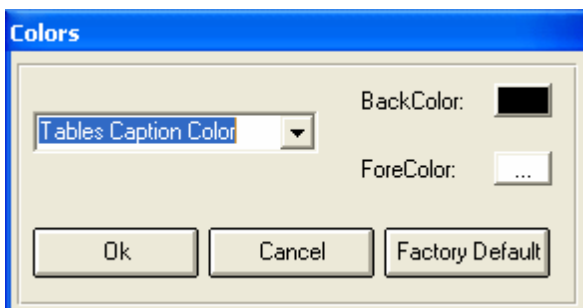
Language

- Use the mouse to select a language.
- Press the OK key.



Color

Enter the color setup menu as shown in the language menu above.





Main Screen

Click on the Main Screen button on the tool bar to bring the **Main Screen**

- Every column represents a Scale Platform.

TYPE	1	2	3	4	5	6	7	8
Growth Day	1							
Weighing	YES							
Average Weight	0.000							
Number of weighings	0							
Sample Size	0							
Last Weight	0.000							
Uniformity	0							
Daily Gain	0.000							
Standard Deviation	0.000							
C.V.	0							
Type	Broiler							
Flock Number	1							
PC Flock Number								
Low Limit	0.081							
Target Weight	0.124							
High Limit	0.167							

Status: Receive - Ok

Sample Size: The number of last weights to be considered in the average weight.

P.C. Flock Number: The flock can be given names for reference.

This feature is optional, when P.C. flock number is not entered, the program will refer to the flock number from the controller.

Type: Curve type.

High/Low limit: Low and high limits in percentage from the target curve. (See Curve setting for more information)

Breeder's only

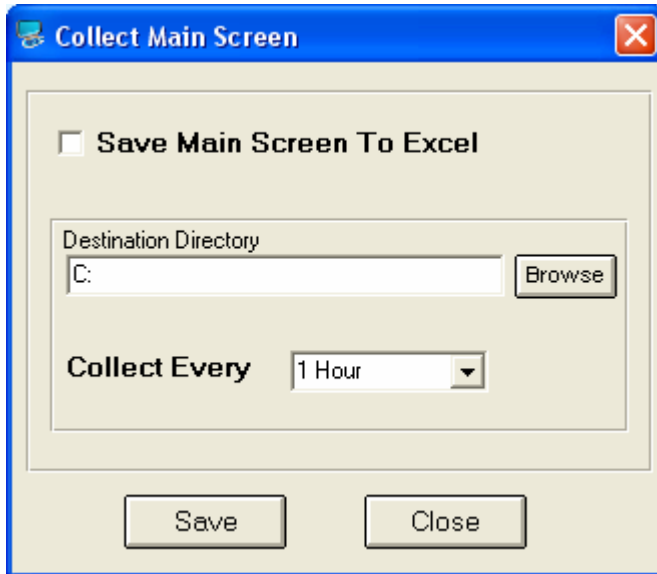
Weighing:

- **NO:** if the system is currently not in a weighing day, the weighing line will show NO.
- **YES:** if the system is in a weighing day and currently perform weights, the weighing line will show yes.

- **Weight:** if the system is in weighing day but not on a weighing time, the weighing line will show weight.

Collect Main Screen

This feature enables you to save the data that is on the main screen to the PC. Simply mark ☒ on the "Save main screen..." and choose the saving destination. The files will be saved to a directory with that farm name.

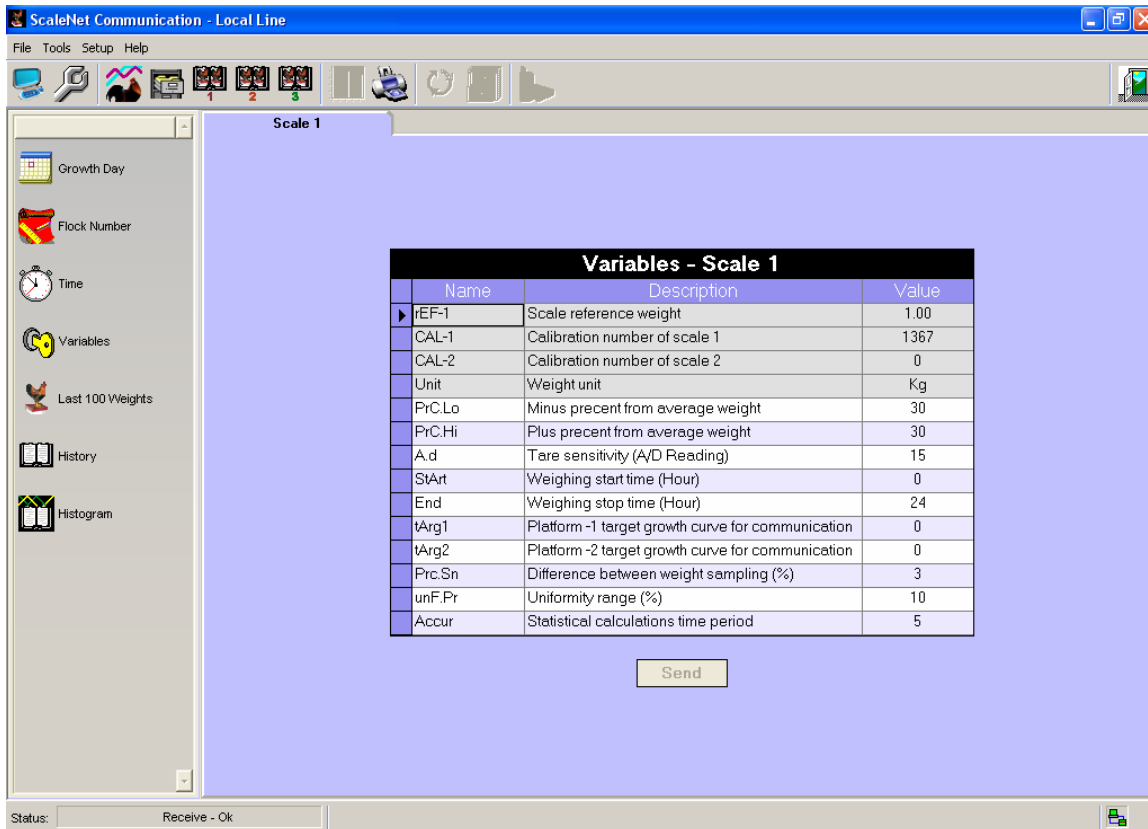


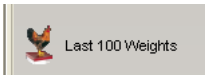


Setting

Select a scale and click on the 'wrench' button on the tool bar to display the **setting** menu.

- Click on any of the menus to receive information from the controller.
- Make any necessary changes and press send to set them on the controller.





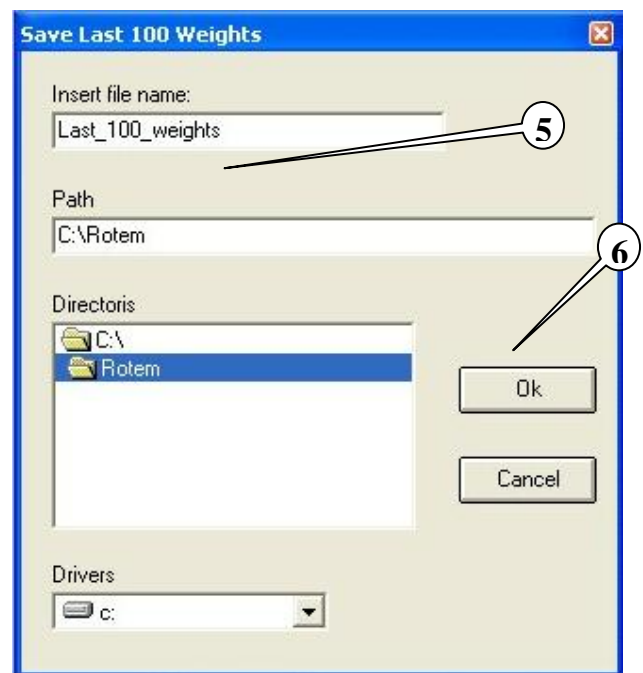
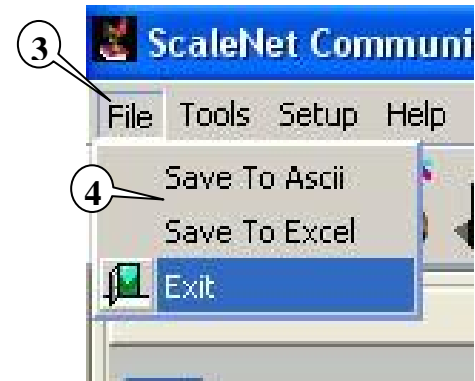
Last 100 weights

This table shows the last 100 weights of a selected scale platform.

1. The weights can be sorted in sequence order or by weight.
2. Weights from previous growth days are highlighted in gray.

Last 100 Weights - Scale uri1	
Count	Weights
Last Weight	0.177
2	0.230
3	0.226
4	0.226
5	0.224
6	0.221
7	0.226
8	0.230
9	0.221
10	0.221
11	0.230
12	0.229
13	0.226
14	0.235
15	0.224

Sort by count Sort by weight



You can save the data from the last 100 weights on your computer.

3. While the last 100 weights table is open, click the file menu bar on the upper right corner on your screen.
4. Select a save to file format.
5. Write the file name and select a directory on your computer.
6. Click the Ok button to save the file.



Curve Setting

Use this window to set weighing curve according to the bird's type.

1. Double click on the curve type will set it on the right table. The curve names can be edited, simply change the name and press the save name key.
2. The first 5 types have a factory set curve. (Enter the variables table under the management menu and define a curve type for each scale)
3. You can change any growth day and add points at the end of the list. The program will reset the list in the right order after saving.
4. Save curve after changing.
5. These curves are for comparison of actual data with expected data. When you graph a scale platform's data, you can see the expected curve together with acceptance limits, to determine if the bird weights are within your desired limits.

Target Curve Setting

Type		Broiler	
Number	Name	Day	Curve
0	Broiler	1	0.099
1	Breeder Male	7	0.379
2	Breeder Female	14	1.000
3	Turkey Male	21	1.899
4	Turkey Female	28	2.896
5	Male3	35	3.947
6	Female3	42	4.995
7	Male4	49	6.194
8	Female4	56	7.293
9	Male5	63	8.392

Close Save Name % Deviation From Target: 35 Save Curve

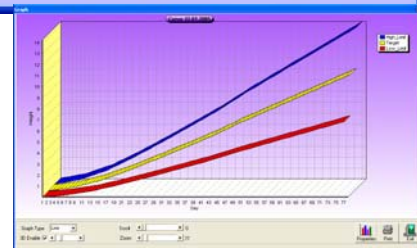
6

5

7

3

6. Set a band for the curve to determine high and low limits.(the limits are displayed in the main screen and in this table's graph)
7. When you save a curve there is an option to use this curve for any of the other scales.



Graph



Show three-dimensional graphs. The graph icon will be available at any time a graph option is available.

Print



Pressing the print button will print the current table on your monitor.

History

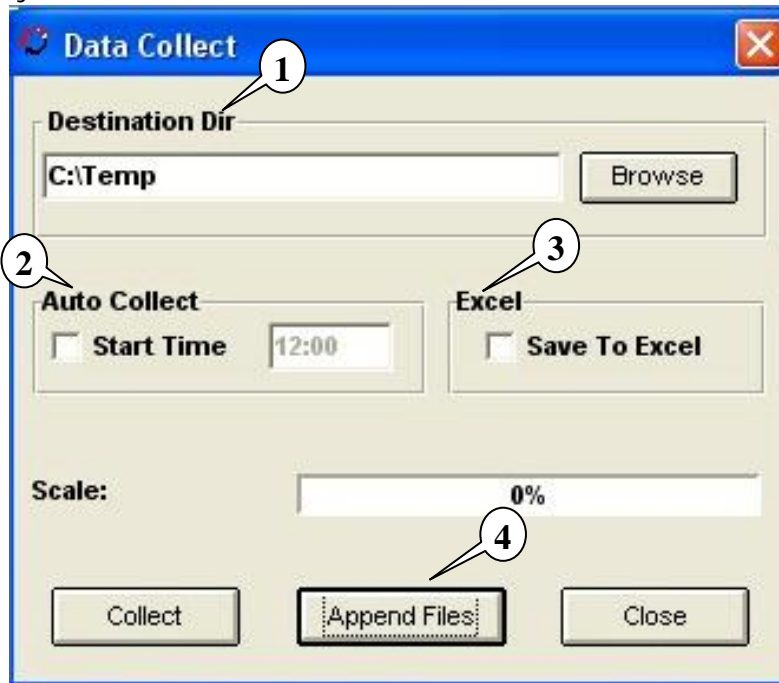


Click on the History button on the tool bar and browse to the saved history file directory in your PC. Open the history file and view history.

Collect



The collect button gathers all the history data from the controller to your PC. You can use them for statistics calculation and review records of previous years.



1. **Destination:** choose a folder in your PC to download the information to. It is recommended to use the farm name as a folder name to sort your folders.
2. **Auto Collect:** choose this option to activate it and enter a time for automatic history collect.
3. **Excel:** You can choose to save the data in Microsoft Excel format. In addition, there is automatic data collection to Microsoft Access data base format.
4. **Append Files:** this option allows you to merge history files from brood and growth periods for the same flock if you use different scales for the two periods. Pressing the append button will open the following window.
5. Make backup file for the original history data before the merge by clicking yes.
6. Click yes to begin collect.



History Browser



Click on the History button on the tool bar and browse to the saved history file directory in your PC. Open the history file and view history.

